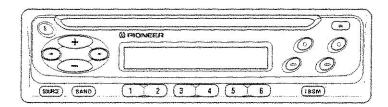
High power CD player with FM/AM tuner

Puissant lecteur de CD avec syntoniseur FM/AM

SUPER TUNER II

DEH-223

Operation Manual Mode d'emploi





ENGLISH

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Before Using This Product

About This Manual

This tuner/CD player features a number of sophisticated functions ensuring superior reception and operation. All are designed for the easiest possible use, but many are not self-explanatory. This operation manual is intended to help you benefit fully from their potential and to maximize your listening enjoyment.

We recommend that you familiarize yourself with the functions and their operation by reading through the manual before you begin using the tuner/CD player. It is especially important that you read and observe the "Precautions" on this page and in other sections.

Precautions

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CAUTION: USE OF CONTROL OR ADJUSTMENT OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION: THE USE OF OPTICAL INSTRUMENTS WITH THIS PRODUCT WILL INCREASE EYE HAZARD.

- Keep this manual handy as a reference for operating procedures and precautions.
- * Always keep the volume low enough for outside sounds to be audible.
- * Protect the tuner/CD player from moisture.
- * If the battery is disconnected, the preset memory will be crased and must be reprogrammed.
- If this product fails to operate properly, contact your dealer or your nearest authorized Pioneer Service Station.



Displaying the time

· To turn the time display ON or OFF, press the Clock button with the Source ON.

The time display disappears temporarily when you perform another operation, but the time indication returns to the display after 25 seconds.

Setting the time

Setting the Hours

· While holding down the Clock button, press button 1 to set the hour.

Setting the Minutes

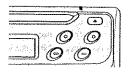
· While holding down the Clock button, press button 2 to set the minute.

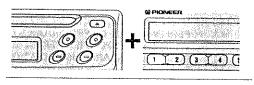
When you release the Clock button, the second count begins from 00 seconds.

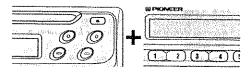
· While holding down the Clock button, press button 3 to reset the minute and second indications to zero.

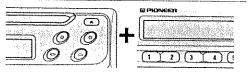
teg. If the clock is reset while a time in the "11:30" — "12:29" range is displayed, the indication changes to "12:00".)

Note: The hour and minute can be advanced by pressing the respective buttons either consecutively or continuously.









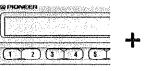
Tuner Operation

Changing the AM Tuning Step

The tuning step employed in the tuner's AM band can be switched between 9 kHz and 10 kHz per step. Reset the tuning step from 9 kHz (the factory preset step) to 10 kHz when using the tuner in North, Central or South America.

٠	While holding down button 2, turn the
	ignition from OFF (Lock) to ON (ACC).

Spec	cifications	Initial Setting	New Setting
4 1 4	Tuning Steps	9 kH2	10 kHz
AM	Frequency	531	530 —
	range	1,602 kHz	1,710 kHz





Changing the FM Tuning Step

The tuning step employed by Seek Tuning in the FM mode can be switched between 100 kHz (preset at the factory) and 50 kHz.

· While holding down button 1, turn the ignition from OFF (Lock) to ON (ACC).

Note: If Seek Tuning is performed in 50 kHz steps, stations may be tuned in inprecisely. Tune in the stations with Manual Tuning or use Seek Tuning again.

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Tuner Source and Band

- Push the SOURCE button to select Tuner.
 The Frequency appears on the display.
 Indicator lights when stereo station selected.)
- Use the BAND button to select the desired band.

(FM1, FM2, FM3, AM)

Manual and Seek Tuning

Both Manual (step-by-step) and Seek tantomatic (tuning are available.

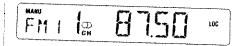
1. Press the MANU button to switch alternately between the Manual and Seek tuning modes.

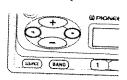
The "MANU" indicator lights when Manual turning is selected and turns OFF when Seek turning is selected.

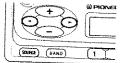
2. Press the (►) button to tune the receiver to a higher frequency.

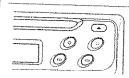
MANUON (Manual tuning): The frequency changes step by step. MANU OFF (Seek Tuning): The tuner automatically seeks out and receives broadcasting stations.

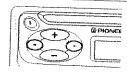
 Press the (◄) button to tune the receiver to a lower frequency.

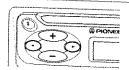












onem onem established to the transfer of the second transfer of the

Local Seek Tuning

This mode selects only stations with especially strong signals.

To Select Local Mode

 Press the Local button to enter the Local mode.

"LOC" indicator lights.

To cancel the Local mode, press the Local button again.

Adjusting Local Seek Sensitivity

The Sensitivity can be adjusted in 4 steps for FM and 2 steps for AM.

1. Depress the Local button for 2 seconds or longer.

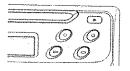
The current Local Seek sensitivity (eg. "LOC-2") is displayed.

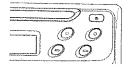
Repeat to switch in and out of the Local Seek Sensitivity setting mode.

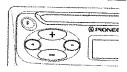
The display reverts to the previous indication after 5 seconds of inactivity.

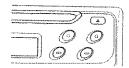
 Use the (◄) button or the (►) button to raise or lower the sensitivity of Local Mode Seek tuning.

3. Press the Local button to return normal display.









Tuner Operation

Preset Tuning

Up to 18 FM stations (6 each in FM1, FM2 and FM3) and 6 AM stations can be stored in memory.

Store the stations in memory under buttons 1-6 beforehand with the BSM (Best Stations Memory) or Preset Memory function.

BSM (Best Stations Memory)

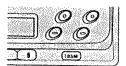
The BSM function stores stations in memory automatically.

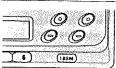
 Press the BSM button for 2 seconds or longer to activate the BSM mode.

"BSM" starts flashing on the display,

The stations with the strongest signals will be stored under buttons 1-6 and in order of their signal strength.

 To cancel the process before completion, press the BSM button again.





Preset Memory

The Preset Memory function stores stations in memory manually.

- 1. Select the station whose frequency you want to store in memory.
- 2. Press one of buttons 1-6 for 2 seconds or longer.

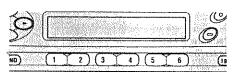
The station is stored in memory under the selected button.

The selected preset number blinks on the display, then changes to a steady indication when input is completed.

Recalling Preset Stations

• Press one of buttons 1-6 to recall a station preset under that button.

The recalled preset number is shown on the display.



Audio Adjustment

The audio modes are selected for adjustment with the S button. Volume adjustment is the default mode. When another mode is selected for adjustment, the setting returns to the Volume mode after 8 seconds.

Volume Adjustment

 Press the (+) button or the (-) button repeatedly to raise or lower the volume.

The display shows low to high volumes from "VOL(0)" to "VOL30."

Note: Holding down the buttons increases or decreases the volume level more rapidly.

Balance Adjustment

The function allows you to select a Fader/Balance setting that provides ideal listening conditions in all occupied seats.

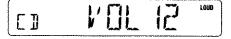
- 1. Press the S button once to select the Fader/Balance mode.
 - "F-" or "B-" appears on the display.

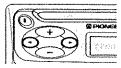
After adjustment use the S button to return to the normal display.

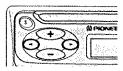
- Press the (+) button or the (-) button to shift the balance progressively to the front or rear speakers.
- "F-F15" ~ "F-R15" is displayed as it moves from from to rear.

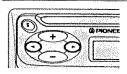
Note: "F-0" is the proper setting when 2 speakers are in use.

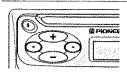
- Press the (◄) button or the (►) button to shift the balance to the left or right speaker, respectively.
 - "B-L9" ~ "B-R9" is displayed as it moves from left to right.











Bass/Treble Adjustment

This tuner/CD player is equipped with two tone adjustment modes, the Bass Adjustment and Treble Adjustment modes.

- 1. Press the S button 2 times to select tone adjustment mode.
- "BAS" or "TRE" appears on the display.

After adjustment use the S button to return to the normal display.

- Press the (◄) button or the (►) button to select "Bass Adjustment mode" or "Treble Adjustment mode".
- Press the (+) button or the (-) button, respectively, to increase or decrease the intensity of the bass or treble, whichever is selected.

The display shows "+6"—"-6".

4. Repeat steps 2-3 above for the other Bass or Treble Adjustment mode.

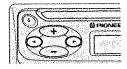
Loudness Adjustment

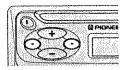
The Loudness function compensates for deficiencies in the low and high sound ranges at low volume.

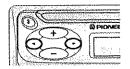
 Press the LOUD button to activate the Loudness function.

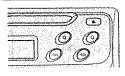
"LOUD" indicator lights.

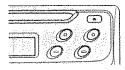
 To cancel the Londness function, press the LOUD button again.











CD Player and Care

Disc Selection and Care

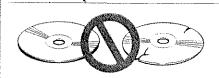
- Play only CDs bearing the Compact Disc Digital Audio mark.
- Check all CDs before playing, and discard cracked, scratched or warped dises;
- Wipe dirty or damp discs outward from the center with a soft cloth.

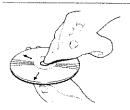
- Avoid touching the recorded (indescent) surface when handling discs.
- Store discs in their cases when not in use.

Precaution:

- * Keep discs out of direct sunlight and high temperatures.
- * Do not affix labels or apply chemicals to discs.
- Ondensation may collect inside the player when using the heater in cold weather, interfering with playback. Turn it off for an hour or so and wipe damp discs with a soft chall.
- * Road shocks may interrupt CD playback.







Using the Built-in CD Player

The built-in CD player plays one standard 12 cm or 8 cm (single) CD at a time. Do not use an adapter when playing 8 cm CD.

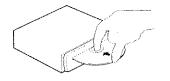
Inserting and Removing Discs

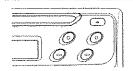
• Insert the disc with the recorded (iridescent) surface down.

CD playback begins immediately, whether or not the player is ON or the built-in CD source selected. The track number and playing time are displayed.

 Press the Eject button to eject any disc loaded in the disc slot.





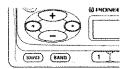


Playing the Built-in CD player

 To play a CD that is already loaded, press the SOURCE button with a CD loaded to select the built-in CD player.

The built-in CD player is selected only when a CD is loaded.

Note: See "Audio Adjustment" on pages 10-11 for volume and tone adjustment.



Using the Built-in CD Player

 To stop CD playback, press the SOURCE button to select the tuner or turn the source OFF.

When the built-in CD player is selected again, playback begins at approximately the same place (track/playing time).

(an) (see (1)

Precaution:

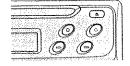
- * Inserting more than one disc at a time may damage the built-in CD player.
- * Discs lett partially inserted after ejection may mear damage or fall out.
- It a disc cannot be inserted fully or playback tails, make sure the recorded side is down, push the Eject button and check the disc for damage before reinserting it.
- If a CD is inserted with the recorded side up, it will be ejected automatically after a few moments.
- * If the built-in CD player cannot operate properly, an error message (such as ER-14) appears on the display. Refer to "CD Player Troubleshooting" on page 18.

Track Search and Fastforward/Reverse Switching the Mode

• Press the MANU button to switch between "MANU" indicator ON and OFF.

When performing a Track Search, switch the "MANU" indicator OFF.

When performing Fast-forward/Reverse operations, switch playback time appears and the "MANU" indicator ON.

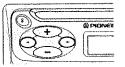


Track Search

This feature permits you to select a specific track on the CD by number.

 Press the (◄) button or the (►) button to reverse or advance track by track.

Hold down the button continuously for highspeed forward or reverse track searching. The track number and playing time change appropriately on the display.



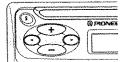
Fast-forward/Reverse

This feature enables you to advance or reverse at high speed between tracks.

 Press the (◄) or (►) button to reverse or fast-forward through tracks.

When the beginning or end of a track is reached, playback skips to the next track. The track number and playing time change appropriately on the display.

Note: The audio is audible as a high-pitched screeching during fast-forward and reverse.



Using the Built-in CD Player

Pause

Press button 1 to stop playback temporarily.

"PAUSE" is displayed.

Push the button again to restart playback.

Built-in CD Player Repeat Modes

The built-in CD player offers two repeat modes: Disc Repeat (normal play), the default mode, and One-track Repeat.

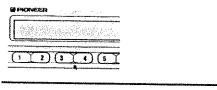
To select One-track Repeat, press button 2.

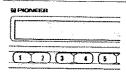
"RPT" appears on the display.

Note: When Track Number Search or fast forward/reverse is performed, the mode returns to the default Disc Repeat mode (normal play).

 Press the button 2 again to return to the Disc Repeat mode (normal play).

"RPT" disappears.







Random Play

The Random Play mode plays the tracks on a CD in random order for variety.

• To enter the Random Play mode, press button 3.

"RDM" appears on the display.

Press button 3 again to cancel Random Play.

Note: Since playback is random, the same track may be repeated consecutively.

Scan Play

Scan Play plays the first 10 seconds or so of each track on a CD in succession.

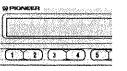
· Press button 4 to start Scan Play.

"SCN" appears on the display.

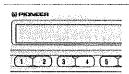
 Push button 4 again to cancel Scan Play when you hear a track you are want to listen to.

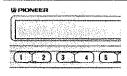
Playback of the current track continues.

Note: Scan Play is canceled automatically after all the tracks on a disc have been scanned.



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CD Player Troubleshooting

When problems occur with CD playback, an error message appears on the display. Refer to the table below to identify the problem, then take the suggested corrective action. If the error persists, contact your dealer or your nearest PIONEER Service Station.

Message	Possible cause	Recommended action
ER- 11, 12, 14, 17, 30	Diny disc.	Clean the disc.
ER- 11, 12, 17, 30	Scratched disc.	Replace the disc.
ER- 14	Unrecorded CD.	Check the disc.
ER- 10, 11, 12, 14, 17, 30, A0	Electrical or mechanical problem.	Turn the ignition ON and OFF, or switch to a different source, then back to the CD player.
HEAT	CD player overheating.	Discontinue play until the machine temperature drops.

Specifications

Power source	14.4 V DC (10.8 — 15.1 V allowable)
Grounding system	Negative type
Max. current consur	mption 10.0 A
Dimensions	•
(DIN)	(chassis)
` ′	(nose)
(D)	
,	(nose)
Weight	,
mplifier — Continuous power o	output is 15 W per channel min. into 4 ohms, both channels
Continuous power of driven 50 to 15,000	output is 15 W per channel min. into 4 ohms, both channels Hz with no more than 5% THD.
Continuous power of driven 50 to 15,000 Maximum power of	output is 15 W per channel min. into 4 ohms, both channels Hz with no more than 5% THD. htput
Continuous power of driven 50 to 15,000 Maximum power of Continuous power of Continuous power of the c	output is 15 W per channel min. into 4 ohms, both channels Hz with no more than 5% THD. itput
Continuous power of driven 50 to 15,000 Maximum power of Continuous power of Load impedance	butput is 15 W per channel min. into 4 ohms, both channels Hz with no more than 5% THD. atput
Continuous power of driven 50 to 15,000 Maximum power of Continuous power of Load impedance	output is 15 W per channel min. into 4 ohms, both channels Hz with no more than 5% THD. itput
Continuous power of driven 50 to 15,000 Maximum power of Continuous power of Load impedance Preout output level/Tone controls	butput is 15 W per channel min. into 4 ohms, both channels Hz with no more than 5% THD. atput
Continuous power of driven 50 to 15,000 Maximum power of Continuous power of Load impedance Preout output level/ Tone controls (Bass	butput is 15 W per channel min. into 4 ohms, both channels Hz with no more than 5% THD. atput

(volume: -30 dB)

Specifications

CD player ————————————————————————————————————
System Compact disc audio system Usable discs Compact disc
Signal format
Frequency characteristics
Signal-to-noise ratio
Dynamic range
Number of channels
FM tuner —
Frequency range
Usable sensitivity
50 dB quieting sensitivity
Signal-to-noise ratio
Distortion
Frequency response
Stereo separation
AM tuner
Frequency range
$530 - 1.710 \mathrm{kHz} (10 \mathrm{kHz})$
Usable sensitivity
Selectivity
$50 \text{ dB } (\pm 10 \text{ kHz})$

Note:

Specifications and the design are subject to possible modification without notice due to improvements.

FRANÇAIS

Sommire

Caractéristiques techniques38
Dépistage des pannes du lecteur CD 37
Utilisation du lecteur CD incorporé 32
Lecteur CD et entretien31
Réglage audio29
Fonctionnement du syntoniseur24
Affichage/réglage de l'heure23
Avant d'utiliser ce produit22